Office of the Vice President for Research Centers/Institutes

Research centers and institutes at Purdue are developed to fill a particular need.

- The Purdue University Center for Cancer Research has been a National Cancer Institute-designated basic-research cancer center since 1978. Their work focuses on cellular-level investigation of the causes of, and cure for, cancer.
- The Global Policy Research Institute generates, supports, promotes, and disseminates policy-relevant activities and research at Purdue University to better inform stakeholders about global policy issues.
- Discovery Park centers extend campus infrastructure to the entire University allowing multidisciplinary groups to come together on campus and respond to grand challenges and opportunities.
- Large project centers or institutes, generally funded by an outside agency, are organized around a specific objective and have a natural lifespan.
- Other centers or institutes vary in size and are formed from faculty initiatives; they are frequently funded by the associated units.

Centers and institutes are valued and encouraged at Purdue. They create a venue for faculty to come together to solve a common goal. Additional opportunities for joint projects and funding are created as investigators interact.

- A.H. Ismail Center for Health, Exercise, and Nutrition
- ADVANCE – Purdue Center for Faculty Success
- Advanced Computer Systems Laboratory
- Agricultural Genomics Center (aka Purdue Genomics Core Facility)
- Air Transport Institute for Environmental Sustainability
- Assessment Research Center
- Bindley Bioscience Center
- Birck Nanotechnology Center
- Burton D. Morgan Center for Entrepreneurship
- Center for Direct Catalytic Conversion of Biomass to Biofuels
- Center for Advanced Manufacturing
- Center for Analytical Instrumentation Development
- Center for Assistive Technologies
- Center for Authentic Science Practice in Education
- Center for Biosprays
- Center for Catalyst Design
- Center for Coal Technology Research
- Center for Combinatorial Chemical Biology
- Center for Community and Environment Design
- Center for Computational Homeland Security
- Center for Education & Research in Information Assurance and Security
- Center for Electronic Defense Systems
- Center for Environmental and Regulatory Information Systems
- Center for Excellence in Consumer Leadership
- Center for Families at Purdue University
- Center for Food Animal Well-Being
- Center for Food Safety Engineering
- Center for Global Research and Intervention in Infectious Disease
- Center for Global Trade Analysis
- Center for Global Urban Sustainability: Ensuring Sustainable Health among Underserved
- Center for Health Outcomes Research and Policy
- Center for Impact Science and Engineering
- Center for Implantable Devices
- Center for Integrated Food Manufacturing
- Center for Integrated Systems In Aerospace
- Center for International Business Education and Research
- Center for Laser Micro Fabrication
- Center for Literacy Education and Research
- Center for Materials Processing and Tribology
- Center for Materials Under Extreme Environments
- Center for New Crops and Plant Products
- Center for Nursing History, Ethics, and Human Rights
- Center for Paralysis Research
- Center for Predictive Materials Modeling and Simulation
- Center for Professional Studies in Technology and Applied Research
- Center for Regional Development
- Center for Research and Engagement in Science and Mathematics Education
- Center for Research in Energy Systems and Policy
- Center for Research on Diversity and Inclusion
- Center for Road Safety
- Center for Rural Development
- Center for Security of Large Scale Systems
- Center for Sensing Science and Technology
- Center for Structural Engineering & Emerging Technologies for Nuclear Power Plants
- Center for Thermal Engineering for Military Power Systems
- Center for the Environment
- Center for the Human-Animal Bond
- Center for the Study of Lodging Operations
- Center for Urban and Industrial Pest Management
- Center of Excellence for Laser Based Manufacturing
- Center of Technology Development
- Center on Aging and the Life Course
- Center on Religion and Chinese Society
- Center on Visual Analytics for Command, Control and Interoperability Environments

Source: Office of the Vice President for Research

Office of the Vice President for Research Centers/Institutes

(continued)

- Confucius Institute at Purdue University
- Cooling Technologies Research Center
- Crop Diagnostic Training and Research Center
- Cyber Center/Computing Research Institute
- Dane O. Kildsig Center for Pharmaceutical Processing Research
- Dauch Center for the Management of Manufacturing Enterprises
- Discovery Learning Research Center
- Distributed Data Curation Center
- Energy Center
- Envision Center for Data Perceptualization
- Equine Sports Medicine Center
- Food Processing Environmental Assistance Center
- Gifted Education Resource Institute
- Hardwood Tree Improvement & Regeneration Center
- Herrick Laboratories
- India-US Joint Networked Centre on Nanomaterials for Energy
- Indiana Center for Database Systems
- Indiana Clinical and Translational Sciences Institute
- Indiana University School of Medicine - Lafayette
- Indiana Water Resources Research Center
- Ingestive Behavior Research Center
- Institute for P-12 Engineering Research and Learning
- Institute for Science of Information
- Institute for Thermal-Hydraulics
- International Food Technology Center
- James F. Ackerman Center for Democratic Citizenship
- Joint Transportation Research Program
- Laboratory for Application of Remote Sensing
- Laboratory of Renewable Resources Engineering Integrative Center for Biotechnology and Engineering
- Markey Center for Structural Biology
- Mitsubishi Center for Thermal-Hydraulics
- NASA Specialized Center of Research and Training in Advanced Life Support
- National Biosecurity Resource Center
- National Nuclear Security Administration Center for Prediction of Reliability, Integrity and Survivability of Microsystems
- National Veterinary Cytology Resource Center
- NEXTRANS Center, USDOT Region V Regional UTC
- Network for Earthquake Engineering Simulation
- North Central Superpave Center
- NSF Network for Computational Nanotechnology
- NSF The Science of Information Center
- Oncological Sciences Center
- P-12 Engagement Center
- Perception-based Engineering
- Purdue Center for Professional Selling
- Purdue Institute for Defense Innovation
- Product Lifecycle Management Center of Excellence
- Production, Robotics, and Integration Software for Manufacturing & Management Center
- Purdue Center for Metal Casting Research
- Purdue Center for Serious Games and Learning in Virtual Environments
- Purdue Center for Systems Integrity
- Purdue Climate Change Research Center
- Purdue Digital Enterprise Center
- Purdue e-Business Research Center
- Purdue Electron Microscopy Consortium
- Purdue Homeland Security Institute
- Purdue Interdisciplinary Center for Ecological Sustainability
- Purdue Retail Institute
- Purdue Tourism and Hospitality Research Center
- Purdue University Campus-wide Mass Spectrometry Center
- Purdue University Center for Cancer Research
- Purdue University Cytometry Laboratories
- Purdue-UAB Botanical Research Center for Age-Related Diseases
- Regenstrief Center for Healthcare Engineering
- Renaissance Consortium
- Rolls-Royce University Technology Center in High Mach Propulsion
- Site-Specific Management Center
- State Utility Forecasting Group
- Susan Bulkeley Butler Center for Leadership Excellence
- Technology Resources Center
- Technology-Enhanced Language Learning Center
- Whistler Center for Carbohydrate Research
- Women's Global Health Institute

Source: Office of the Vice President for Research

Office of the Vice President for Research

Research Cores

Research Cores provide access to instrumentation, equipment and facilities (including databases), software, or professional expertise in the design and conduct of specialized measurements, analysis and interpretation of data, and research collaboration. To be considered a unviersity-level research core, research resources should be broadly available to investigators and research teams across the University (and perhaps beyond) and should have a business plan or funding model (academic unit/center backed, recharge, project-by-project funding, etc.). Please contact the core directly about potential collaborations, including more detailed information about capabilities and funding methods.

Name	Web URL or Contact
A.H. Ismail Center	http://www.purdue.edu/hhs/hk/ismail
Advanced Graphics and Visualization Laboratory	http://www.tech.purdue.edu/cgt/appliedresearch/Knoy346.cfm
Agronomy Center of Research and Education	http://www.ag.purdue.edu/agry/acre/Pages/default.aspx
Amy Analytical Instrumentation Center	http://www.chem.purdue.edu/aaic/
Amy Instrumentation Facility	http://jafci.chem.purdue.edu/default.htm
Animal Sciences Research and Education Center	http://www.ag.purdue.edu/ansc/Pages/ASREC.aspx
Archives & Special Collections	http://www.lib.purdue.edu/spcol/
Assessment and Evaluation/ Discovery Learning Research Center	www.purdue.edu/dp/learningcenter
Bioinformatics	Jyothi Thimmapura, jyothit@purdue.edu
Bioinformatics and Discovery Systems Lab	http://bioinformatics.tech.purdue.edu
Biological Sciences Electron Microscopy Facility	http://www.bio.purdue.edu/molecular_biosciences/microscope_facility.html
Biomolecular Cleanroom	http://www.purdue.edu/discoverypark/nanotechnology/facilities
Biophysical Analysis Laboratory	http://www.purdue.edu/discoverypark/bioscience/facilities/bioanalytical/
Bioscience Imaging Facility	http://www.purdue.edu/discoverypark/bioscience/facilities/imaging/
Center for Analytical Instrumentation Development	http://www.purdue.edu/dp/caid/
Center for Environmental and Regulatory Information Systems	http://ceris.purdue.edu/ceris/
Center for Global Trade Analsyis	https://www.gtap.agecon.purdue.edu/
Center for Materials Processing and Tribology - Metrology Laboratory	S. Chandrasekar, chandy@purdue.edu; James Mann, jbmann@purdue.edu; Dale Compton, dcompton@purdue.edu
Center for Materials under eXtreme Environment (CMUXE)	https://engineering.purdue.edu/CMUXE/
Chemistry Glass Shop	http://www.chem.purdue.edu/glasslab/
Chemistry Machine Shop	http://www.chem.purdue.edu/machine/
Christopher and Susan Burke Hydraulics and Hydrology Laboratory	https://engineering.purdue.edu/CE/H2O
Community Clusters	http://www.rcac.purdue.edu/userinfo/communityclusters.cfm
Computational Life Sciences and Informatics	http://www.purdue.edu/bbc/bioinformatics/
Confocal Laser Scanning Microscope	Don Ready, readyd@purdue.edu
CTSI Core Facility: Birck Nanotechnology Center BioNanotechnology Labs	Professor James Leary, jfleary@purdue.edu
Cyberforensics Lab	Marcus Rogers, rogersmk@purdue.edu
Digital Enterprise Center	http://www.tech.purdue.edu/cgt/appliedresearch/Knoy373.cfm
Digitization Center	http://www.lib.purdue.edu/spcol/digit
Discovery Learning Research Center	http://www.purdue.edu/dp/learningcenter
Distributed Data Curation Center	http://d2c2.lib.purdue.edu
Educational Research Facilities/Discovery Learning Research Center (DLRC)	http://www.purdue.edu/discoverypark/learningcenter/facilities/facilities.php

Source: Office of the Vice President for Research

Office of the Vice President for Research

Research Cores *(continued)*

Name	Web URL or Contact
Electron Microscopy	http://www.purdue.edu/discoverypark/nanotechnology/facilities
Envision Center	http://www.envision.purdue.edu/
Epitaxy	http://www.purdue.edu/discoverypark/nanotechnology/facilities
Flow Cytometry and Cell Separation Facility	http://www.purdue.edu/discoverypark/bioscience/facilities/flowcytometry/
Food Science Pilot Laboratory	http://www.ag.purdue.edu/foodsci/Pages/pilot_plant.aspx
Genomics Core Facility	http://www.genomics.purdue.edu/
High Performance Computer Graphics Laboratory	Bedrich Benes, bbenes@purdue.edu
High-Performance Computing and Cyberinfrastructure Research Lab	http://cyberforensics.purdue.edu/
Hub Platform (virtual organizations)	http://hubzero.org/
ICP-MS for Elemental Analysis of Liquids	Linda Lee, lslee@purdue.edu
IDEALab	http://www.idealaboratory.org/
Impact Science Laboratory	https://engineering.purdue.edu/people/weinong.w.chen.1
Integrated Screening Technologies Laboratory	http://www.purdue.edu/discoverypark/bioscience/facilities/ist/
Integrated Smart Energy Technology Lab (INSET)	J. Eric Dietz (jedietz@purdue.edu)
Interdepartmental NMR Facility	http://www.pinmrf.purdue.edu
Laboratory for Renewable Resources Engineering (LORRE)	http://cobweb.ecn.purdue.edu/~lorre/16/overview/
Laser Research Facility, School of Mechanical Engineering	lucht@purdue.edu, xxu@purdue.edu, shin@purdue.edu
Life Sciences Electron Microscopy Facility	http://www.ag.purdue.edu/facilities/microscopy/pages/default.aspx
Life Sciences Fluorescence Imaging Facility	https://www.agriculture.purdue.edu/clsm/
Lilly Animal Care Facility	Cindy Sanow, sanow@purdue.edu
Physics Machine Shop	http://www.physics.purdue.edu/machineshop/
Macromolecular Crystallography	Tim Schmidt (tschmidt@purdue.edu) or Alan Friedman (afried@purdue.edu)
Maha Fluid Power Laboratory	http://engineering.purdue.edu/Maha/
Medical Discovery Resource Unit	http://www.vet.purdue.edu/mdru/
Metabolite Profiling Facility	http://www.purdue.edu/bbc/mpf
Microwave Plasma Chemical Vapor Deposition	http://www.purdue.edu/discoverypark/nanotechnology/facilities
Mineral Analysis Laboratory	Berdine Martin, bmartin1@purdue.edu
Mobile Application Development Lab	Kyle Lutes, kdlutes@purdue.edu
MSE Materials Preparation and Testing Labs	https://engineering.purdue.edu/MSE/Research/Facilities/General_Labs.html
MSE Microscopy Facility	https://engineering.purdue.edu/MSE/Research/Facilities/Microstructural/EM-Facility.html
MSE X-Ray Characterization Facility	https://engineering.purdue.edu/MSE/Research/Facilities/XRayFacility/index.html
National Test Facility for Fuels and Propulsion	http://www.tech.purdue.edu/at/NATEF/

Source: Office of the Vice President for Research

Office of the Vice President for Research

Research Cores *(continued)*

Name	Web URL or Contact
Optics and Spectroscopy	http://www.purdue.edu/discoverypark/nanotechnology/facilities
Pankow Materials Laboratories	Jason Weiss, wjweiss@purdue.edu
Physiological Sensing Facility	http://www.purdue.edu/discoverypark/psf/
PRIME Lab	http://www.physics.purdue.edu/primelab/
PUPIL (Purdue University Psychometric Instruction/Investigation Laboratory)	http://pupil.education.purdue.edu/
Purdue Agriculture Air Quality Lab	https://engineering.purdue.edu/~odor/facilities.htm
Purdue Bone/Body Composition Imaging Core -- Animal DXA	Douglas Maish, maish@purdue.edu
Purdue Bone/Body Composition Imaging Core -- DXA & pQCT	Douglas Maish, maish@purdue.edu
Purdue Bone/Body Composition Imaging Core -- Micro CT	Douglas Maish, maish@purdue.edu
Purdue Malware Lab - FBI Cyber Crime Task Force	Jim Goldman, jgoldman@purdue.edu
Purdue MRI Facility	http://mri.ecn.purdue.edu
Purdue Proteomics Facility	http://www.purdue.edu/bbc/ppf/
Purdue University Research Repository (PURR)	https://research.hub.purdue.edu
Purdue Stable Isotope Facility	http://www.eas.purdue.edu/psi/
Purdue Translational Pharmacology Facility	Robyn McCain, rrmccain@Purdue.edu
Purdue University Reactor Number 1 (PUR-1)	https://engineering.purdue.edu/NE/Research/Facilities/reactor.html
Research Machining Service	http://www.purdue.edu/discoverypark/machineshop/
Ross Biological Reserve	http://www.bio.purdue.edu/ecology/ross-reserve/index.html
SAXS/USAXS Facility	M.T. Harris, mtharris@purdue.edu
Scifres Nanofabrication Cleanroom	http://www.purdue.edu/discoverypark/nanotechnology/facilities
Sensory Evaluation Laboratories	http://www.ag.purdue.edu/foodsci/Pages/sensory_lab.aspx
Simulation Lab	http://www.nursing.purdue.edu/centersandclinics/cnes/
Software Solutions	http://www.rcac.purdue.edu/projects/
SPM	http://www.purdue.edu/discoverypark/nanotechnology/facilities
Statistics Consulting Service	http://www.stat.purdue.edu/scs/
Superresolution Imaging Lab	www.vet.purdue.edu/imaginglab
Surface Analysis	http://www.purdue.edu/discoverypark/nanotechnology/facilities
Transgenic Mouse Core Facility	http://www.cancerresearch.purdue.edu/for_reserachers/transgenic_mouse.html
Videoconferencing	http://www.itap.purdue.edu/tlt/gomeet/index.cfm
Vistec Ebeam	http://www.purdue.edu/discoverypark/nanotechnology/facilities
Water Quality Field Station	http://www.agry.purdue.edu/water/fieldstn/WQFS.htm#projects
X-ray Crystallography	http://www.chem.purdue.edu/xray/default.asp

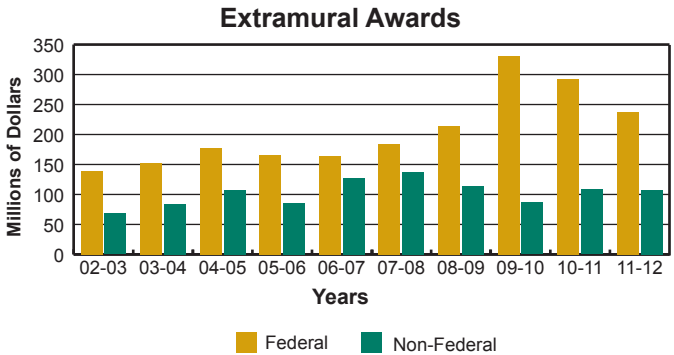
Source: Office of the Vice President for Research

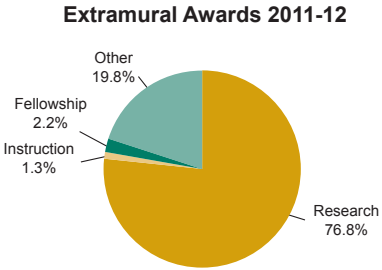
Extramural Awards [1,2,3]

(for Fiscal Years 2002-03 through 2011-12)

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Total Awards	$207.7	$235.6	$284.7	$251.6	$292.2	$322.8	$327.5	$418.0	$401.4	$345.5
Awards by Program:										
Research	$155.1	$195.0	$240.1	$195.9	$237.1	$244.4	$258.7	$337.8	$310.2	$265.2
Instruction	17.1	13.0	8.0	15.6	7.4	8.2	16.8	11.2	7.1	4.4
Fellowship	9.0	4.1	7.8	7.3	4.1	12.8	7.2	7.8	8.3	7.6
Other	26.5	23.5	28.8	32.8	43.6	57.4	44.8	61.2	75.8	68.3
Awards by Source:										
Federal	$139.5	$151.8	$177.2	$166.4	$164.0	$184.7	$213.6	$331.4	$293.1	$238.0
Non-Federal	68.2	83.8	107.5	85.2	128.2	138.1	113.9	86.6	108.3	107.5

[1]In millions of dollars.
[2]Support in collaboration with Development is included.
[3]West Lafayette campus only.





Source: Sponsored Program Services

Extramural Awards by College/School[1,2,3]

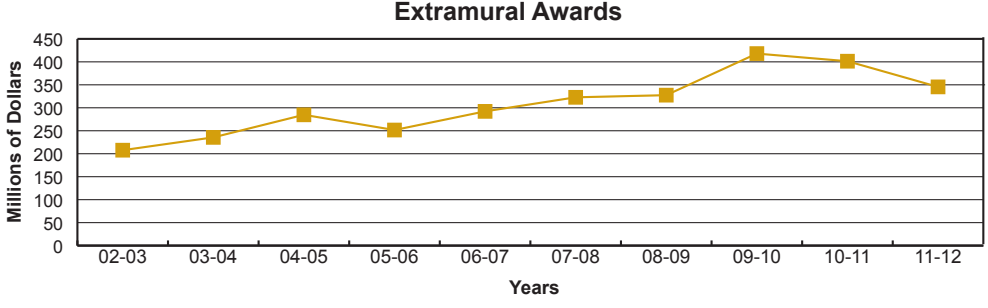
(for Fiscal Years 2002-03 through 2011-12)

College/School	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Agriculture	$38.8	$41.6	$54.3	$43.6	$66.1	$46.1	$50.2	$60.0	$80.3	$61.6
Health and Human Sciences	6.2	9.4	13.0	9.4	13.4	23.0	18.0	13.1	38.4	26.7
Education	2.0	1.2	3.0	1.4	2.3	3.0	3.2	3.3	4.7	3.7
Engineering	71.1	73.1	81.9	76.6	77.0	97.9	109.2	150.4	136.2	133.4
Liberal Arts	9.6	8.5	9.7	10.1	7.8	18.1	14.8	14.6	8.5	5.2
Management	4.2	10.5	3.7	11.8	2.0	1.5	12.5	1.0	1.1	-0.3
Pharmacy	11.1	13.5	14.8	16.3	40.3	16.2	16.9	15.7	10.7	11.6
Science	48.4	53.7	56.6	55.8	52.3	52.0	61.5	101.4	73.2	61.6
Technology	0.9	2.1	1.8	3.1	2.9	5.5	3.7	11.6	10.2	9.4
Veterinary Medicine	4.0	4.7	9.9	5.5	5.0	10.5	8.8	9.2	10.8	13.4
Discovery Park	0.0	0.1	0.7	2.2	7.4	17.5	6.6	6.7	6.0	0.6
Other	11.4	17.2	35.3	15.8	15.7	31.5	22.1	31.0	21.3	18.6
Total	**$207.7**	**$235.6**	**$284.7**	**$251.6**	**$292.2**	**$322.8**	**$327.5**	**$418.0**	**$401.4**	**$345.5**

[1]In millions of dollars.

[2]Support in collaboration with Development is included.

[3]West Lafayette campus only.



Source: Sponsored Program Services

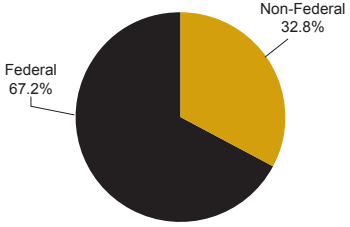
Extramural Awards by Sponsor[1,2,3]

(for Fiscal Years 2002-03 through 2011-12)

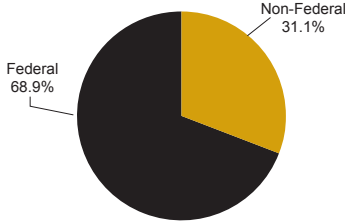
Sponsor	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
National Science Foundation	$37.0	$42.9	$53.6	$46.6	$46.4	$53.0	$65.7	$106.6	$97.5	$88.9
Department of Health and Human Services	34.6	44.5	46.2	47.8	50.6	49.2	50.6	80.4	57.4	45.2
Department of Defense	22.6	14.6	19.7	19.9	21.9	26.9	30.8	34.3	38.7	34.5
Department of Agriculture	12.9	13.9	18.1	13.9	12.0	15.0	14.0	21.3	31.4	23.6
Department of Energy	9.7	14.6	12.7	12.1	14.2	16.2	23.3	47.7	30.6	20.3
Other Federal	3.0	2.4	4.8	5.1	4.7	8.7	10.2	22.3	12.9	8.9
National Aeronautics and Space Administration	7.0	9.5	5.7	11.5	4.3	7.6	6.3	5.1	6.0	6.2
Department of Transportation	1.2	2.1	2.6	2.4	1.5	3.8	5.7	4.9	3.2	4.7
Department of Education	5.8	1.2	6.7	2.6	2.4	1.3	2.1	2.8	4.3	2.0
Environmental Protection Agency	3.3	2.9	4.5	2.5	2.2	1.8	1.9	1.3	2.3	2.0
Agency for International Development	2.1	2.8	2.2	1.5	3.5	0.9	2.8	4.3	8.4	1.0
Department of Interior	0.3	0.4	0.4	0.5	0.3	0.3	0.2	0.4	0.4	0.7
Total Federal	**$139.5**	**$151.8**	**$177.2**	**$166.4**	**$164.0**	**$184.7**	**$213.6**	**$331.4**	**$293.1**	**$238.0**
Industrials & Foundations	$38.9	$42.5	$69.1	$54.0	$103.2	$78.8	$81.4	$52.7	$62.9	$71.7
State/Local Government	21.1	32.5	23.9	19.6	18.6	41.6	22.0	25.4	25.4	20.0
Purdue Research Foundation/Purdue University	7.6	8.2	10.8	9.9	4.9	16.2	9.0	7.1	12.8	13.6
Foreign Governments	0.6	0.6	3.7	1.7	1.5	1.5	1.5	1.4	7.2	2.2
Total Non-Federal	**$68.2**	**$83.8**	**$107.5**	**$85.2**	**$128.2**	**$138.1**	**$113.9**	**$86.6**	**$108.3**	**$107.5**
Total	**$207.7**	**$235.6**	**$284.7**	**$251.6**	**$292.2**	**$322.8**	**$327.5**	**$418.0**	**$401.4**	**$345.5**

[1]In millions of dollars.
[2]Support in collaboration with Development is included.
[3]West Lafayette campus only.

Extramural Awards 2002-03



Extramural Awards 2011-12



Source: Sponsored Program Services

Awards[1,2] by Faculty Rank

(for Fiscal Years 2007-08 through 2011-12)

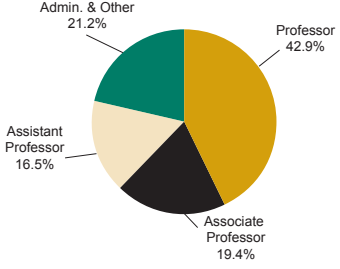
	2007-08		2008-09		2009-10		2010-11		2011-12	
Faculty Rank	% Faculty Receiving Awards	Average Award per Faculty Member Receiving Awards	% Faculty Receiving Awards	Average Award per Faculty Member Receiving Awards	% Faculty Receiving Awards	Average Award per Faculty Member Receiving Awards	% Faculty Receiving Awards	Average Award per Faculty Member Receiving Awards	% Faculty Receiving Awards	Average Award per Faculty Member Receiving Awards
Professor	61.2%	$321,743	63.3%	$333,222	61.2%	$421,605	63.3%	$410,757	66.9%	$315,749
Associate Professor	42.5%	221,287	47.9%	197,870	46.4%	286,620	52.5%	256,258	47.1%	257,390
Assistant Professor	59.6%	155,199	49.4%	168,744	55.2%	203,294	57.1%	167,746	65.3%	182,278
Total Faculty	55.2%	255,793	55.6%	265,357	55.7%	341,612	58.8%	321,420	60.3%	273,482

[1]Support in collaboration with development is included.

[2]West Lafayette campus only.

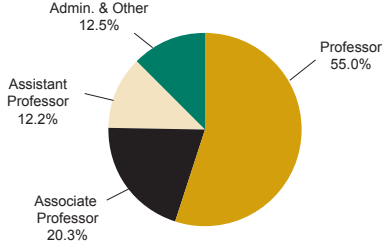
Number of Awards by All Ranks 2011-12

Staff Receiving Awards (N=1,402)



Amount of Awards by All Ranks 2011-12

Awards (Total = $345,459,572)



Source: Sponsored Program Services

Research and Sponsored Program Expenditures by College/School[1, 3]

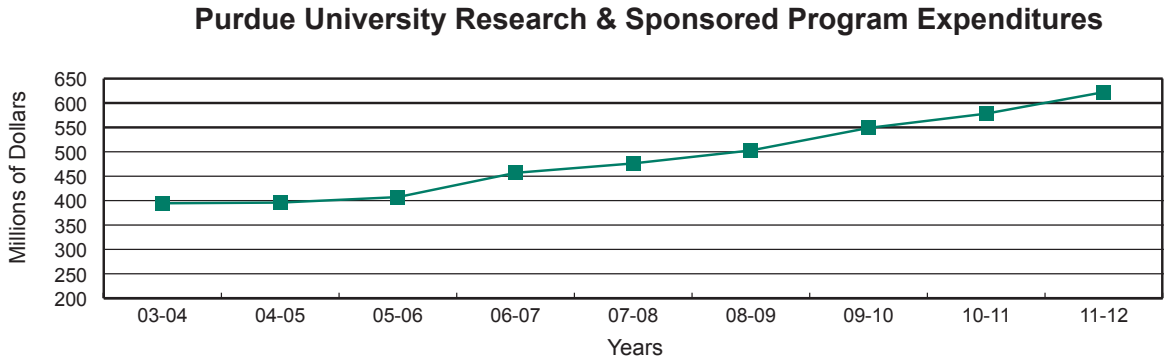
(for Fiscal Years 2003-04 through 2011-12)

College/School	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Agriculture	$113.2	$114.8	$121.3	$131.4	$134.2	$136.4	$144.5	$142.4	$149.6
Consumer & Family Sciences[2]	14.2	15.4	15.8	17.7	22.5	22.6	27.2	NA	NA
Discovery Park	6.7	14.5	28.1	24.8	20.2	20.4	0.9	10.7	1.5
Education	3.2	2.9	2.8	3.6	4.1	4.5	5.1	4.8	4.6
Engineering	112.4	106.3	96.0	120.0	127.1	143.0	161.1	195.3	197.5
Health and Human Sciences[2]	NA	NA	NA	NA	NA	NA	NA	41.9	45.9
Liberal Arts[2]	11.5	12.9	11.8	11.7	13.8	16.8	21.3	11.1	10.5
Management	12.4	14.0	13.6	15.0	11.8	12.5	12.5	10.5	8.8
Pharmacy[2]	18.4	16.0	16.8	20.3	20.3	19.7	24.2	16.2	28.3
Science	58.2	60.1	59.9	66.8	66.4	62.9	76.2	82.0	83.0
Technology	14.5	4.5	5.6	5.6	5.0	11.5	8.5	8.6	12.1
Veterinary Medicine	14.4	16.2	16.9	16.7	18.0	18.2	19.8	18.7	20.3
Other	15.4	18.3	18.6	23.3	32.8	34.3	47.6	36.0	60.2
Total[3]	**$394.5**	**$395.9**	**$407.2**	**$456.9**	**$476.2**	**$502.8**	**$548.9**	**$578.2**	**$622.3**

[1]In millions of dollars.

[2]The College of Health and Human Sciences was formed administratively on July 1, 2010. Students officially will be enrolled January 2011. The new college brings together nine academic units including all programs from the College of Consumer & Family Sciences; Health and Kinesiology, Psychological Sciences, and Speech, Language and Hearing Sciences from the College of Liberal Arts; and the Health Sciences and Nursing programs from the College of Pharmacy, Nursing and Health Sciences (renamed the College of Pharmacy).

[3]West Lafayette campus only.



Source: Sponsored Program Services

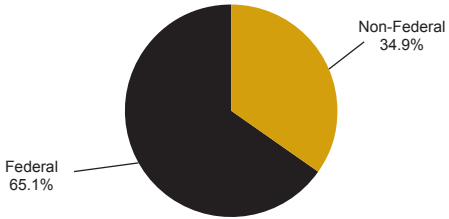
Research and Sponsored Program Expenditures by Sponsor [1,2]

(for Fiscal Years 2003-04 through 2011-12)

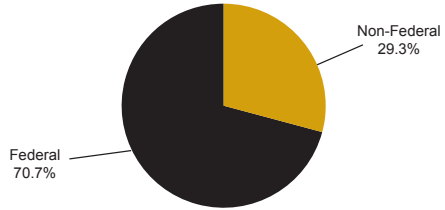
Sponsor	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
National Science Foundation	34.5	39.0	44.2	47.1	50.4	48.7	70.7	87.1	92.0
Department of Health and Human Services	38.2	42.2	43.8	48.6	50.7	46.6	55.2	58.6	52.4
Department of Defense	20.6	19.7	21.1	21.8	25.7	26.9	32.6	32.7	34.0
Department of Energy	10.1	14.5	12.0	13.6	14.1	19.1	24.9	27.4	28.1
Department of Agriculture	17.5	15.6	13.9	11.9	12.7	12.8	14.9	17.9	22.5
Other Federal	2.9	4.1	4.8	3.9	6.0	7.3	9.7	11.7	16.6
National Aeronautics and Space Administration	8.2	8.5	8.6	9.1	6.3	6.3	5.9	6.0	5.9
Agency for International Development	1.9	2.2	2.5	2.4	1.9	2.5	4.0	3.7	4.6
Department of Education	2.6	2.6	3.3	3.5	3.0	2.2	2.9	3.0	3.1
Department of Transportation	1.9	1.1	3.0	1.3	2.2	2.2	4.6	3.8	3.0
Environmental Protection Agency	3.6	3.6	2.9	2.4	2.2	2.0	1.9	1.3	1.7
Total Federal Sponsored Programs	**142.0**	**153.1**	**160.1**	**165.6**	**175.2**	**176.6**	**227.3**	**253.2**	**263.9**
Industrials	44.8	51.5	50.6	61.8	69.2	72.2	68.9	66.4	76.5
State/Local	22.5	27.2	27.4	25.2	26.3	26.0	25.2	21.6	21.0
Purdue Research Foundation/Purdue University	8.4	8.6	9.4	9.2	9.6	10.1	10.8	10.8	9.6
Foreign Governments	0.3	0.7	1.8	1.9	1.8	1.3	1.3	1.9	2.5
Total Non-Federal Sponsored Programs	**76.0**	**88.0**	**89.2**	**98.1**	**106.9**	**109.6**	**106.1**	**100.7**	**109.6**
Total Sponsored Program Expenditures	**218.0**	**241.1**	**249.3**	**263.7**	**282.1**	**286.2**	**333.4**	**353.9**	**373.5**
Institutional (not including PRF/Purdue)	146.9	123.6	125.3	166.8	155.9	177.9	176.1	179.7	194.4
Federal Appropriations	5.1	5.5	5.4	6.6	6.8	5.9	5.3	6.7	6.9
State Appropriations and General Funds	24.5	25.7	27.2	27.8	31.5	32.8	34.1	38.0	47.6
Total West Lafayette Campus	**394.5**	**395.9**	**407.2**	**464.9**	**476.3**	**502.9**	**549.0**	**578.3**	**622.4**

[1]In millions of dollars.
[2]West Lafayette campus only.

Sponsor Expenditures 2003-04



Sponsor Expenditures 2011-12



Source: Sponsored Program Services

Discovery Park

(as of June 2012)

Today's cutting-edge research has become increasingly interdisciplinary, calling on the insights of many researchers. Faculty and students from every discipline, along with collaborators from beyond Purdue University, come together in Discovery Park to solve society's grand challenges.

Discovery Park is a hub of interdisciplinary activity on Purdue's West Lafayette campus. It is designed to be a dynamic entity capable of adjusting to the changing landscape of issues and challenges by providing unique facilities, cutting-edge equipment, and shared spaces for collaborative projects in: life sciences; energy; climate change; environment; healthcare; cancer; nanotechnology; cyberinfrastructure; STEM education (science, technology, engineering and mathematics); and other areas. Discovery Park speeds new inventions and accelerates technology commercialization to create high-tech industry locally and globally.

Discovery Park Core Centers

- Bindley Bioscience Center
- Birck Nanotechnology Center
- Burton D. Morgan Center for Entrepreneurship
- Discovery Learning Research Center
- Global Sustainability Initiative
  - Energy Center
  - Center for the Environment
  - Center for Global Food Security
  - Purdue Climate Change Research Center
  - Purdue Water Community
- Advanced Computational Center for Engineering and Sciences
  - Cyber Center/Computing Research Institute
  - Rosen Center for Advanced Computing (ITaP)
- Oncological Sciences Center
- Regenstrief Center for Healthcare Engineering

- Initiated: 2001 as a sponsored program; is now an integral part of Purdue through the Office of the Vice President for Research
- Location*:* Discovery Park is developed on 40 acres bounded by State Street on the north, Nimitz Drive on the south, Airport Road on the west, and South Martin Jischke Drive on the east. Its location also fosters collaboration with researchers in the nearby Martin C. Jischke Hall of Biomedical Engineering and the Wayne T. and Mary T. Hockmeyer Hall.
- Space *Added to Date:*
  - Laboratory 113,000 square feet
  - Office Space: 93,000 square feet
- Equipment *Added to Date:* $30 million
- Facilities*:*
  - Burton D. Morgan Center for Entrepreneurship; opened 2004
  - Birck Nanotechnology Center; opened 2005
  - Bindley Bioscience Center; opened 2005
  - Gerald D. and Edna E. Mann Hall; opened 2007
  - Hall for Discovery and Learning Research Center; opened 2009
- Unique *Features*: The facilities are shared university resources. Highly collaborative, *interdisciplinary* projects are connected throughout Purdue and to Purdue Research Parks. Technology commercialization is facilitated through the Burton D. Morgan Center for Entrepreneurship and the university's strong partnership with the Purdue Research Park. Discovery Park office space for the Purdue Innovation and Commercialization Center (ICC, Inc).

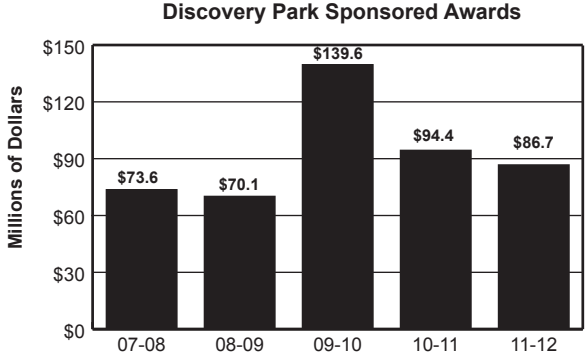
In addition, Discovery Park hosts a large portfolio of projects and project centers that are often shared among several core centers.

Contact Discovery Park at discoverypark@purdue.edu or visit the Web site at http://www.purdue.edu/dp.

Source: Discovery Park Administration

Discovery Park Extramural Awards[1, 2, 3]

(for Fiscal Years 2007-08 through 2011-12)



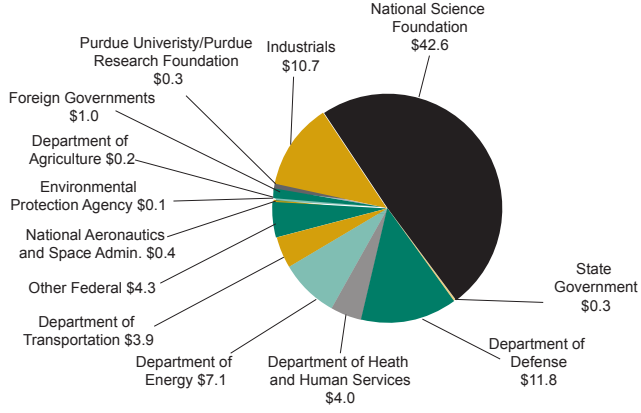
Sponsor	2007-08	2008-09	2009-10	2010-11	2011-12
Industrials	$20.0	$10.5	$7.6	$8.9	$10.7
National Science Foundation	16.3	21.1	42.2	33.8	42.6
State Government	15.7	3.3	3.3	1.8	0.3
Department of Defense	8.0	13.8	14.5	14.4	11.8
Department of Health and Human Services	5.7	7.1	34.4	13.2	4.0
Department of Energy	4.1	5.4	25.5	8.6	7.1
Department of Transportation	2.2	2.3	2.7	2.2	3.9
Other Federal	0.6	4.2	5.2	8.1	4.3
National Aeronautics and Space Administration	0.5	1.2	1.0	0.4	0.4
Environmental Protection Agency	0.3	0.1		0.9	0.1
Department of Agriculture	0.2	0.4	2.0	1.1	0.2
Foreign Governments	0.0	0.1		0.0	1.0
Department of Education		0.4	0.8	0.3	0.0
Purdue University/Purdue Research Foundation		0.2	0.4	0.7	0.3
Total	**$73.6**	**$70.1**	**$139.6**	**$94.4**	**$86.7**

Discovery Park Sponsored Awards by Contributing College/School

College/School	2007-08	2008-09	2009-10	2010-11	2011-12
Agriculture	$5.1	$5.2	$9.4	$8.4	$12.0
Health and Human Sciences	0.3	0.6	0.9	1.1	0.6
Education	0.1	0.8	1.2	2.6	0.7
Engineering	23.8	35.5	56.8	47.8	54.7
Liberal Arts	3.4	1.2	0.5	1.3	0.4
Management				0.2	0.2
Pharmacy	2.1	2.3	1.7	1.5	0.9
Science	8.0	11.9	40.5	11.8	7.3
Technology	0.5	1.8	6.6	5.9	5.5
Veterinary Medicine	2.6	0.9	1.4	4.3	1.4
Discovery Park	17.5	6.6	6.7	6.0	0.5
Other	10.2	3.3	13.9	3.5	2.5
Total	**$73.6**	**$70.1**	**$139.6**	**$94.4**	**$86.7**

[1]In millions of dollars.
[2]Support in collaboration with Development is included.
[3]West Lafayette Discovery Park only.

Awards by Sponsor 2011-12



Source: Sponsored Program Services

Research Park

(as of September 2012)

Established in 1961, Purdue Research Park in West Lafayette, Ind., was the third research park established in the nation. In the late 1990s, Purdue Research Park began its transformation into a true technology park focused on companies operating in the arenas of life sciences, homeland security, engineering, advanced manufacturing and information technology.

Today the park is the largest university-affiliated incubation complex in the country and is the largest business incubator in the State of Indiana. An independent study reports that the Purdue Research Park contributes $1.3 billion annually to Indiana's economy.

Any technology-based company that wants to form strong ties to Purdue University may be considered for park tenancy. The park's owner, developer and manager, the nonprofit Purdue Research Foundation, provides emerging technology companies with business development expertise combined with a flexible leasing plan. Additional offerings include human resources, media relations and marketing.

As of September 2012, the Purdue Research Park of West Lafayette has 725 acres, 51 buildings, 162 companies, 3,233 employees earning an average annual wage of $63,000.

The park offers many of its industry-leading amenities and services to companies in the park and hosts several top-notch business plan competitions, an internship program and an entrepreneurship academy.

Today, the foundation welcomes high-tech companies to state-of-the-art technology centers located on park sites throughout Indiana, including:

- Purdue Technology Centers in the Purdue Research Park of West Lafayette is located just north of Purdue University's main campus. The centers serve as the flagship for the 725-acre, award-winning Purdue Research Park. The park is home to 162 companies, of which 117 are technology-related. The park has 350,000 square feet of incubation space, and was named the first Indiana Economic Development Corporation State Certified Technology Park. Many of the innovations that emerge from
  the interdisciplinary research underway at Purdue University will find their "business legs"
  in the center. Since 1999, the center's incubation program has graduated 56 companies, of which 27 have remained in the Purdue Research Park of West Lafayette and 33 have stayed in Indiana.
- Purdue Technology Center in the Purdue Research Park of Northwest Indiana was Purdue's first satellite technology incubator when it opened in 2005. The center was established with the assistance of U.S. Rep. Pete Visclosky who secured a total of more than $9 million to construct and expand the facility. Located on 393 acres west of I-65 near Merrillville, the 60,000-square-foot facility serves 21 technology-based companies and four additional companies where nearly 100 professionals work. The park has been named an Indiana Economic Development Corporation State Certified Technology Park. This center and the Purdue University Calumet Academic Learning Center serve as anchors for the surrounding mixed-use business and technology park.
- Purdue Technology Center in the Purdue Research Park of Indianapolis opened in 2009. The 55,000-square-foot technology incubator is located on a 78-acre complex being developed by Purdue Research Foundation. The center serves 15 companies. The park is located along the I-70 corridor and near the midfield terminal of the Indianapolis International Airport. The park has been named an Indiana Economic Development Corporation State Certified Technology Park.
- Purdue Technology Center in the Purdue Research Park of Southeast Indiana opened in 2008. The 40,000-square-foot facility is located on 40 acres of land donated by the Shine family, founders and owners of Samtec Inc., an electronic interconnect manufacturer in Southern Indiana. The center serves nine technology-based companies. The center contains 18,000 square feet of business incubator offices, a district office for the Indiana Small Business Development Center, an office for Purdue Extension Service and classrooms for the Purdue University College of Technology.

PURDUE RESEARCH PARK HONORS

- International Economic Development Council's Excellence in Economic Development Awards for Annual Report, 2012, Population between 25,000-200,000.
- Indiana "50 Companies to Watch" 2012: WindStream Technologies Inc. *(Edward Lowe Foundation, Indiana Economic Development Corp., Purdue University*).
- Association of University Research Parks Creating the Culture of Innovation Award, 2011.
- International Economic Development Council's Excellence in Economic Development Awards for Annual Report, 2011, Population between 25,000-200,000.
- Greater Indy Innovation Roundtable's Indiana Innovation Award, DelMar Information Technologies LLC and my COI LLC, 2011.
- R&D Top 100 Award 2011, Eaton Corp., R&D Magazine.
- Forbes' America's Most Promising Companies list, No. 13, 2011, Scale Computing Inc.
- Innovation of the Year 2010: Purdue Research Park Entrepreneurship Academy, National Business Incubator Association.
- R&D Top 100 Award 2010, M4 Sciences LLC, R&D Magazine
- Peer-reviewed publication "Entrepreneurial Success: The Purdue Research Foundation Finds the Right Formula," Joseph B. Hornett, International Economic Development Journal, 2010.
- Gold Award 2010, Collateral Materials Campaign mixed media, ADDY Awards – American Advertising Federation-North Central Indiana.
- Silver Award 2010, Collateral Materials Campaign brochure, ADDY Awards – American Advertising Federation-North Central Indiana.
- Inc. Magazine 5000: "2010 Fastest Growing Companies in the Country" – Purdue Research Park-based company, Officescape Inc. (Inc. Magazine, 2010).
- Indiana "50 Companies to Watch" 2010: Scale Computing Inc. and Vasc-Alert LLC. (Edward Lowe Foundation, Indiana Economic Development Corp., Purdue University)
- Sustainable Sites Initiative List 2010, Purdue Research Park of West Lafayette.
- TechPoint Mira Awards 2010:
  - Cook Biotech Ind., Health & Life Sciences Company, category winner.
  - McClure Services, Excellence in IT category, finalists.
  - Purdue Research Park Entrepreneurship Academy, Education Contribution to Technology, category finalist.

Source: Purdue Research Park

Office of Technology Commercialization Activities[1]

(for Fiscal Years 2002 through 2011)

Description	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Invention Disclosures	117	124	167	213	231	231	209	227	238	256
Copyright Disclosures	30	42	41	24	25	18	18	20	19	12
Total	**147**	**166**	**208**	**237**	**256**	**249**	**227**	**247**	**257**	**268**
Patent Applications (Worldwide)	273	307	275	268	388	399	345	377	364	344
Provisional Patent Applications (U.S.)	97	104	120	130	158	163	161	191	163	167
Patents Issued (Worldwide)	73	93	78	79	80	92	46	97	87	110
Licenses and Options	78	80	87	79	110	99	82	85	99	64
Royalty Income ($MM)	3.0	4.4	4.1	4.2	3.8	5.1	3.4	4.2	3.9	5.8
Number of Start-Up Companies	9	3	3	6	14	8	11	10	11	7
Equity Acquisitions Under Licenses	3	2	3	4	9	4	5	1	2	0
Number of Trask Innovation Awards	9	11	7	9	6	13	2	10	9	10
Trask Innovation Awards ($MM)	0.3	0.5	0.4	0.4	0.3	0.5	0.1	0.6	0.5	0.4

[1]Includes data for all Purdue Campuses.

Source: Office of Technology Commercialization